

ABSTRACT

A vibration piezoelectric acceleration sensor including a pair of beam shaped members linearly and oppositely disposed on a frame, a support body supporting the beam shaped member, and a holding part holding the support body moveably in a linear direction, and another pair of beam shaped members disposed linearly and oppositely crossing the pair of beam shaped members detecting acceleration in two axes, i.e. X and Y directions. The beam shaped members are extended and retracted by the acceleration transmitted to the support body through the holding part, changing a natural oscillation frequency.

5 Accordingly, a high change ratio of resonance frequency can be provided with the detection of the acceleration, and the acceleration in the direction of two axes can be detected without being affected by a change in temperature.

10